ABSTRACT

The object of the present invention is a fluoropolymer aqueous dispersion showing only a moderate viscosity increase upon temperature rise and having a low fluorine-containing anionic surfactant concentration as well as a method of producing such fluoropolymer aqueous dispersion. The present invention provides a fluoropolymer aqueous dispersion comprising a particle comprising a fluoropolymer dispersed in an aqueous medium in the presence of a nonionic surfactant, wherein a supernatant for assaying as obtained by subjecting the fluoropolymer aqueous dispersion to 30 minutes of centrifugation at 25°C and at a gravitational acceleration of 1677G, when subjected to high-performance liquid chromatography [HPLC] under the conditions of a flow rate of 1.0 ml/minute and a column temperature of 40°C using an acetonitrile/0.05 M aqueous solution of phosphoric acid (60/40% by volume) mixture as a developing solution, followed by detection at an absorption wavelength at which the nonionic surfactant can be identified, shows a ratio (A^1/A^0), which is the ratio between the total area (A^0) under the detected line and the area (A^1) under the detected line over a retention time period shorter than 16 minutes, of not lower than 0.4 and the supernatant for assaying has a fluorine-containing anionic surfactant content of not higher than 100 ppm.